

P19291.A05

IN THE SPECIFICATION

Please amend the specification as follows (*a marked up copy of the amended Specification is provided as an Appendix to this Response*):

Please replace the Abstract with the following,

61 A method of predicting a scaffold of a protein comprising a query sequence, using a database which contains environmental information on the side chain of each amino acid residue contained in the amino acid sequence of each reference protein whose three-dimensional structure is known or predictable, and comprising: conducting matching based on the environmental information of each amino acid residue of each reference protein and hydrophobicity or hydrophilicity property of the side chain of each amino acid residue of the query sequence, choosing at least one template protein among the reference proteins that has high similarity in three-dimensional structure to the protein comprising the query sequence, and predicting the scaffold of the protein comprising a query sequence.

IN THE CLAIMS

Please amend claims 1-4, 7 and 11 as follows (*a marked up copy of the amended claims is provided as an Appendix to this Response*):

sub 1. (Amended) A method of predicting a scaffold of a protein comprising a query sequence,

62 C' wherein said method uses a database which contains environmental information on the side chain